

(d) at least 200 consecutive nucleotides of SEQ ID NO: 124 or a sequence fully complementary thereto.

22. A composition comprising: a purified or isolated polynucleotide comprising a nucleotide sequence encoding an amino acid sequence comprising an amino acid sequence selected from any one of:

- (a) +1 through 335 of SEQ ID NO: 167;
- (b) +1 through 75 of SEQ ID NO: 177;
- (c) +1 through 98 of SEQ ID NO: 179; or
- (d) +1 through 202 of SEQ ID NO: 225.

23. A composition comprising: a purified or isolated polynucleotide comprising a nucleotide sequence encoding an amino acid sequence comprising an amino acid sequence selected from any one of:

- (a) -16 through 335 of SEQ ID NO: 167;
- (b) -24 through 75 of SEQ ID NO: 177;
- (c) -23 through 98 of SEQ ID NO: 179; or
- (d) -22 through 202 of SEQ ID NO: 225.

24. A composition comprising: a purified or isolated polynucleotide comprising a nucleotide sequence encoding an amino acid sequence comprising an amino acid sequence selected from any one of:

- (a) -16 through -1 of SEQ ID NO: 167;
- (b) -24 through -1 of SEQ ID NO: 177;
- (c) -23 through -1 of SEQ ID NO: 179; or
- (d) -22 through -1 of SEQ ID NO: 225.

25. A composition comprising: a purified or isolated polynucleotide comprising a nucleotide sequence encoding a mature polypeptide comprising the mature polypeptide encoded by a human cDNA of a clone selected from any one of:

- (a) clone 47-14-1-C3-CL0\_5 of ATCC deposit number 98921;
- (b) clone 51-11-3-D5-CL1\_3 of ATCC deposit number 98922;
- (c) clone 51-15-4-A12-CL11\_3 of ATCC deposit number 98921; or

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(d) clone 78-8-3-E6-CL0\_1 of ATCC deposit number 98922.

26. A composition comprising: a purified or isolated polynucleotide comprising a nucleotide sequence encoding a full length polypeptide comprising the full length polypeptide encoded by a human cDNA of a clone selected from any one of:

- (a) clone 47-14-1-C3-CL0\_5 of ATCC deposit number 98921;
- (b) clone 51-11-3-D5-CL1\_3 of ATCC deposit number 98922;
- (c) clone 51-15-4-A12-CL11\_3 of ATCC deposit number 98921; or
- (d) clone 78-8-3-E6-CL0\_1 of ATCC deposit number 98922.

27. A composition comprising: a host cell recombinant for a polynucleotide comprising a nucleotide sequence encoding an amino acid sequence comprising an amino acid sequence selected from any one of:

- (a) +1 through 335 of SEQ ID NO: 167;
- (b) +1 through 75 of SEQ ID NO: 177;
- (c) +1 through 98 of SEQ ID NO: 179; or
- (d) +1 through 202 of SEQ ID NO: 225.

28. A composition comprising: a host cell recombinant for a polynucleotide comprising a nucleotide sequence encoding an amino acid sequence comprising an amino acid sequence selected from any one of:

- (a) -16 through 335 of SEQ ID NO: 167;
- (b) -24 through 75 of SEQ ID NO: 177;
- (c) -23 through 98 of SEQ ID NO: 179; or
- (d) -22 through 202 of SEQ ID NO: 225.

29. A composition comprising: a host cell recombinant for a polynucleotide comprising a nucleotide sequence encoding an amino acid sequence comprising an amino acid sequence selected from any one of:

- (a) -16 through -1 of SEQ ID NO: 167;
- (b) -24 through -1 of SEQ ID NO: 177;
- (c) -23 through -1 of SEQ ID NO: 179; or
- (d) -22 through -1 of SEQ ID NO: 225.

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30. A composition comprising: a host cell recombinant for a polynucleotide comprising a nucleotide sequence encoding a mature polypeptide comprising the mature polypeptide encoded by a human cDNA of a clone selected from any one of:

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Cont
- (a) clone 47-14-1-C3-CL0\_5 of ATCC deposit number 98921;
  - (b) clone 51-11-3-D5-CL1\_3 of ATCC deposit number 98922;
  - (c) clone 51-15-4-A12-CL11\_3 of ATCC deposit number 98921; or
  - (d) clone 78-8-3-E6-CL0\_1 of ATCC deposit number 98922.

31. A composition comprising: a host cell recombinant for a polynucleotide comprising a nucleotide sequence encoding a full length polypeptide comprising the full length polypeptide encoded by a human cDNA of a clone selected from any one of:

- (a) clone 47-14-1-C3-CL0\_5 of ATCC deposit number 98921;
- (b) clone 51-11-3-D5-CL1\_3 of ATCC deposit number 98922;
- (c) clone 51-15-4-A12-CL11\_3 of ATCC deposit number 98921; or
- (d) clone 78-8-3-E6-CL0\_1 of ATCC deposit number 98922.

32. A method of making a purified or isolated polypeptide comprising an amino acid sequence selected from any one of:

- (a) +1 through 335 of SEQ ID NO: 167;
- (b) +1 through 75 of SEQ ID NO: 177;
- (c) +1 through 98 of SEQ ID NO: 179; or
- (d) +1 through 202 of SEQ ID NO: 225:

wherein said method comprises the steps of:

- (i) obtaining a cell capable of expressing said polypeptide;
- (ii) growing said cell under conditions suitable to produce said polypeptide; and
- (iii) isolating said polypeptide.

33. A method of making a purified or isolated polypeptide comprising an amino acid sequence selected from any one of:

- (a) -16 through 335 of SEQ ID NO: 167;
- (b) -24 through 75 of SEQ ID NO: 177;
- (c) -23 through 98 of SEQ ID NO: 179; or

(d) -22 through 202 of SEQ ID NO: 225:

wherein said method comprises the steps of:

- (i) obtaining a cell capable of expressing said polypeptide;
- (ii) growing said cell under conditions suitable to produce said polypeptide; and
- (iii) isolating said polypeptide.

34. A method of making a purified or isolated polypeptide comprising an amino acid sequence of a mature polypeptide encoded by the human cDNA of a clone selected from any one of:

- (a) clone 47-14-1-C3-CL0\_5 of ATCC deposit number 98921;
- (b) clone 51-11-3-D5-CL1\_3 of ATCC deposit number 98922;
- (c) clone 51-15-4-A12-CL11\_3 of ATCC deposit number 98921; or
- (e) clone 78-8-3-E6-CL0\_1 of ATCC deposit number 98922.

wherein said method comprises the steps of:

- (i) obtaining a cell capable of expressing said polypeptide;
- (ii) growing said cell under conditions suitable to produce said polypeptide; and
- (iii) isolating said polypeptide.

35. A method of making a purified or isolated polypeptide comprising an amino acid sequence of a full length polypeptide encoded by the human cDNA of a clone selected from any one of:

- (a) clone 47-14-1-C3-CL0\_5 of ATCC deposit number 98921;
- (b) clone 51-11-3-D5-CL1\_3 of ATCC deposit number 98922;
- (c) clone 51-15-4-A12-CL11\_3 of ATCC deposit number 98921; or
- (d) clone 78-8-3-E6-CL0\_1 of ATCC deposit number 98922.

wherein said method comprises the steps of:

- (i) obtaining a cell capable of expressing said polypeptide;
- (ii) growing said cell under conditions suitable to produce said polypeptide; and
- (iii) isolating said polypeptide.

36. A composition comprising: a purified or isolated recombinant vector comprising a nucleotide sequence selected from any one of:

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cont
- (a) at least 150 consecutive nucleotides of SEQ ID NO: 66 or a sequence fully complementary thereto;
  - (b) at least 150 consecutive nucleotides of SEQ ID NO: 76 or a sequence fully complementary thereto;
  - (c) at least 25 consecutive nucleotides of SEQ ID NO: 78 or a sequence fully complementary thereto; or
  - (d) at least 200 consecutive nucleotides of SEQ ID NO: 124 or a sequence fully complementary thereto.

37. A composition comprising: a purified or isolated recombinant vector comprising a nucleotide sequence encoding an amino acid sequence selected from any one of:

- (a) +1 through 335 of SEQ ID NO: 167;
- (b) +1 through 75 of SEQ ID NO: 177;
- (c) +1 through 98 of SEQ ID NO: 179; or
- (d) +1 through 202 of SEQ ID NO: 225.

38. A composition comprising: a purified or isolated recombinant vector comprising a nucleotide sequence encoding an amino acid sequence selected from any one of:

- (a) -16 through 335 of SEQ ID NO: 167;
- (b) -24 through 75 of SEQ ID NO: 177;
- (c) -23 through 98 of SEQ ID NO: 179; or
- (d) -22 through 202 of SEQ ID NO: 225.

39. A composition comprising: a purified or isolated recombinant vector comprising a nucleotide sequence encoding an amino acid sequence selected from any one of:


- (a) -16 through -1 of SEQ ID NO: 167;
- (b) -24 through -1 of SEQ ID NO: 177;
- (c) -23 through -1 of SEQ ID NO: 179; or
- (d) -22 through -1 of SEQ ID NO: 225.

40. A composition comprising: a purified or isolated recombinant vector comprising a nucleotide sequence encoding a mature polypeptide encoded by a human cDNA of a clone selected from any one of:

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- (a) clone 47-14-1-C3-CL0\_5 of ATCC deposit number 98921;
- (b) clone 51-11-3-D5-CL1\_3 of ATCC deposit number 98922;
- (c) clone 51-15-4-A12-CL11\_3 of ATCC deposit number 98921; or
- (d) clone 78-8-3-E6-CL0\_1 of ATCC deposit number 98922.

41. A composition comprising: a purified or isolated recombinant vector comprising a nucleotide sequence encoding a full length polypeptide encoded by a human cDNA of a clone selected from any one of:

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- (a) clone 47-14-1-C3-CL0\_5 of ATCC deposit number 98921;
  - (b) clone 51-11-3-D5-CL1\_3 of ATCC deposit number 98922;
  - (c) clone 51-15-4-A12-CL11\_3 of ATCC deposit number 98921; or
  - (d) clone 78-8-3-E6-CL0\_1 of ATCC deposit number 98922.

42. A solid support having a nucleotide sequence affixed thereto, wherein said nucleotide sequence comprises a sequence selected from any one of:

- (a) -16 through 335 of SEQ ID NO: 167;
- (b) -24 through 75 of SEQ ID NO: 177;
- (c) -23 through 98 of SEQ ID NO: 179; or
- (d) -22 through 202 of SEQ ID NO: 225.

43. A solid support having a nucleotide sequence affixed thereto, wherein said nucleotide sequence comprises a sequence selected from any one of:

- (a) +1 through 335 of SEQ ID NO: 167;
- (b) +1 through 75 of SEQ ID NO: 177;
- (c) +1 through 98 of SEQ ID NO: 179; or
- (d) +1 through 202 of SEQ ID NO: 225.

44. A solid support having a nucleotide sequence affixed thereto, wherein said nucleotide sequence comprises a sequence encoding a mature polypeptide encoded by a human cDNA of a clone selected from any one of:

- (a) clone 47-14-1-C3-CL0\_5 of ATCC deposit number 98921;
- (b) clone 51-11-3-D5-CL1\_3 of ATCC deposit number 98922;
- (c) clone 51-15-4-A12-CL11\_3 of ATCC deposit number 98921; or